



REPLACEMENT SHEET

Amino Acid sequence of ddh

SEQ ID NO: 7
SEQ ID NO: 8

1 ATGGATTTTCGGTAAGCTCGACCAGCACAGTGCCACCACAATTTTCCACCATTACAAGAAC
M H F G K L D Q D S A T T I L E D Y K N 60

61 ATGACCAACATCCGCCTAGCTATCGTAGGGTACGGAAACCTGCGACCCAGCGTCGAAAAG
M T N I R V A I V G Y G N L G R S V E K 120

121 CTTATTGCCAAGCAGCCCGACATGGACCTTGTAGGAATCTTCTCGCGCCGGGCCACCCTC
L I A K Q P D M D L V G I F S R R A T L 180

181 GACACAAAGACGCCAGTCTTTGATGTGCGCCGACGTGGACAAGCACCCCGACGACGTGGAC
D T K T P V F D V A D V D K H A D D V D 240

241 GTGCTGTTCTGTGCATGGGCTCCGCCACCGACATGCCTGAGCAGGCACCAAAGTTTCGGG
V L F L C M G S A T D I P E Q A P K F A 300

301 CAGTTCGCCTGCACCGTAGACACCTACCACAACCACCGCGACATCCCACGCCACCGCCAG
Q F A C T V D T Y D N H R D I P R H R Q 360

361 GTCATGAACGAAGCCGCCACCGCAGCCGGCAACGTTGCACTGGTCTGTACCGGCTGGGAT
V M N E A A T A A G N V A L V S T G W D 420

421 CCAGGAATGTTCTCCATCAACCGCGTCTACGCAGCCGCACTCTTAGCCGAGCACCAGCAG
P G M F S I N R V Y A A A V L A E H Q Q 480

481 CACACCTTCTGGGGCCCAGCTTTGTCACAGGGCCACTCCGATCCTTTGCGACGCATCCCT
H T F W G P G L S Q G H S Q A L R R I P 540

541 GGCGTTCAAAGGCGcGTCCAGTACACCCTGCCATCCGAAGaGCCCTGCAAAAGGCCCGC
G V Q K A V Q Y T L P S E E A L E K A R 600

601 CGTCGCGAAGCCGGCGACCTcACCGGAAAGCAAACCCACAAGCGCCAATGCTTCGTGGTT
R G E A G D L T G K Q T H K R Q C F V V 660

661 CCCGATGCGGCCGACCACGAGCGCATCGAAAACGACATCCGCACCATCCCTGATTACTTC
A D A A D H E R I E N D I R T M P D Y F 720

721 GTTGGCTACGAAGTCGAAGTCACTTCATCGACGAAGCAAGCTTgGACgCCGAGCACACC
V G Y E V E V N F I D E A T L D A E H T 780

781 GGGATGCCACACGGcGGACACGTGATcACCACCGGCGACACCGGTGGCTTCAACCACACC
G M P H G G H V I T T G D T G G F N H T 840

841 GTGGAATACATCCTgAAGCTGGACCGAAACCCAGATTTACCGCTTctTCACAGATCCCT
V E Y I L K L D R N P D F T A S S Q I A 900

TTCGGcCGCCCAGCTCACCCCATGAAGCAGCAGGGCCAAAGCGGtGCTTTCACCGTGCTC

FIG.5A